What is claimed is:

1. An antenna, comprising:

a flat-plate ground plane;

a first antenna element with its one end connected to a feeding point and its intermediate portion folded by a plurality of times, which is extended upward from said ground plane; and

a second antenna element with its one end connected to the other end of said first antenna and with the other end thereof connected to said ground plane, which has an intermediate portion extended upward from said ground plane,

wherein the intermediate portion of said second antenna element is disposed in a symmetrical relation with the intermediate portion of said first antenna element.

2. The antenna of claim 1,

wherein the intermediate portion of said first antenna element and the intermediate portion of said second antenna element are arranged in symmetrically opposed to each other.

3. The antenna of claim 2,

wherein the other end of said first antenna element and one end of said second antenna element are connected to each other via a conductive plate.

4. The antenna of claim 2,

wherein said first antenna element and said second antenna element are formed in plate-like shape.

5. The antenna of claim 2, further comprising:

a substrate extended upward from said ground plane,

wherein the intermediate portion of said first antenna element is arranged

on one surface of said substrate, and

the intermediate portion of said second antenna element is arranged on the other surface opposed to the substrate surface where the intermediate portion of said first antenna element is disposed.

6. The antenna of claim 5, further comprising:

a conductive plate,

wherein said conductive plate is arranged on one surface of said substrate being parallel to said ground plane, and

the other end of said first antenna element and one end of said second antenna element are connected to each other via said conductive plate.

7. The antenna of claim 6,

wherein said first antenna element and said second antenna element are formed of metal plates which are integral with said conductive plate.

8. The antenna of claim 5, further comprising:

a plurality of parasitic antenna elements having an intermediate portion same in shape as the intermediate portion of said first antenna element,

wherein each of said parasitic antenna elements are arranged in parallel relation to the surface where said first antenna element and said second antenna element are disposed, and

one end of said parasitic antenna element is connected to said ground plane with the other end opened.

9. The antenna of claim 1,

wherein the intermediate portion of said first antenna element and the intermediate portion of said second antenna element are arranged in symmetrical relation with each other on same plain surface.

10. The antenna of claim 9, further comprising:

a substrate extended upward from said ground plane,

wherein the intermediate portion of said first antenna element and the intermediate portion of said second antenna element are arranged on same surface of said substrate.